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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : N. Tsukaguchi et al. Confirmation No.: 1589
Serial No. : 10/713,390
Filed : November 14, 2003
TC/A.U. : 1775
Examiner : C. Lam

Docket No. : 02-668-US2
Customer No. : 34704

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with the requirements of 37 CFR 1.97 and 1.98, Applicant hereby submits the prior art listed hereinbelow, copies enclosed, which prior art was cited in the corresponding European application.

- (1) EP Patent No. 0 935 286 entitled COPPER CIRCUIT JUNCTION SUBSTRATE AND..., By Sasaki et al., published August 11, 1999. The abstract is attached hereto.
- (2) Patent Abstracts of Japan Publication No. 11322455, entitled CERAMICS/METAL BONDED BODY AND ITS PRODUCTION, By Yoshihide, published November 24, 1999. The abstract is attached hereto.
- (3) EP Patent No. 0 827 198 entitled METAL CERAMIC SUBSTRATES FOR..., By Sakuraba et al., published March 4,

1998. The abstract is attached hereto.

- (4) DE Patent No. 44 06 397 published August 31, 1995.

This patent is in German and there is no English abstract provided.

- (5) Patent Abstracts of Japan Publication No. 10326949 entitled CIRCUIT BOARD, By Yasuto, published December 8, 1998. The abstract is attached hereto.

The undersigned hereby certifies that each item contained in this information disclosure statement was first cited in the European search report issued on December 8, 2004.

The undersigned submits the above-identified references for independent consideration by the Examiner and does not make any admission that these references are or are not material to the present invention or that these references are or are not prior art with respect to the present invention.

If any fees are required in connection with this case, it is respectfully requested that they be charged to Deposit Account No. 02-0184.

Respectfully submitted,

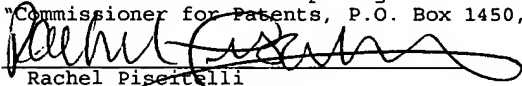
N. Tsukaguchi et al.

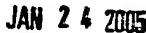
By 

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Date: January 19, 2005

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
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Rachel Piseitelli



Approved for use through 07/31/2006. OMB 0651-0031

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Complete if Known

Application Number	10/713,390
Filing Date	November 14, 2003
First Named Inventor	Tsukaguchi et al.
Art Unit	1775
Examiner Name	C. Lam
Attorney Docket Number	02-668-US-2

Sheet	1	of	1
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			
		EP 0 935 286	08-11-1999	Sasaki et al.		
		JP 11322455	11-24-1999	Yoshihide		
		EP 0 827 198	03-04-1998	Sakuraba et al.		
		DE 44 06 397	08-31-1995			
		JP 10326949	12-08-1998	Yasuto		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

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